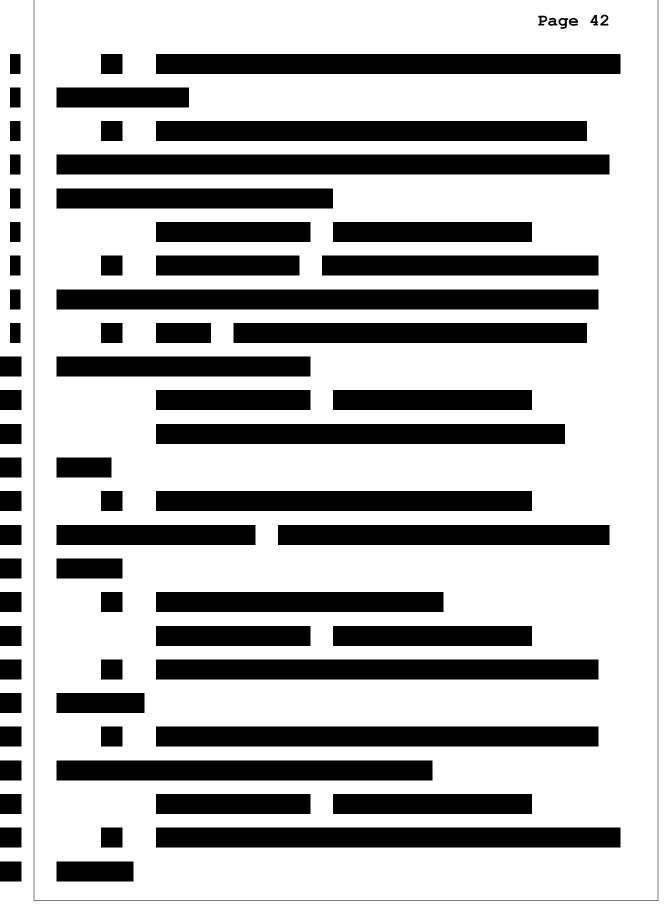
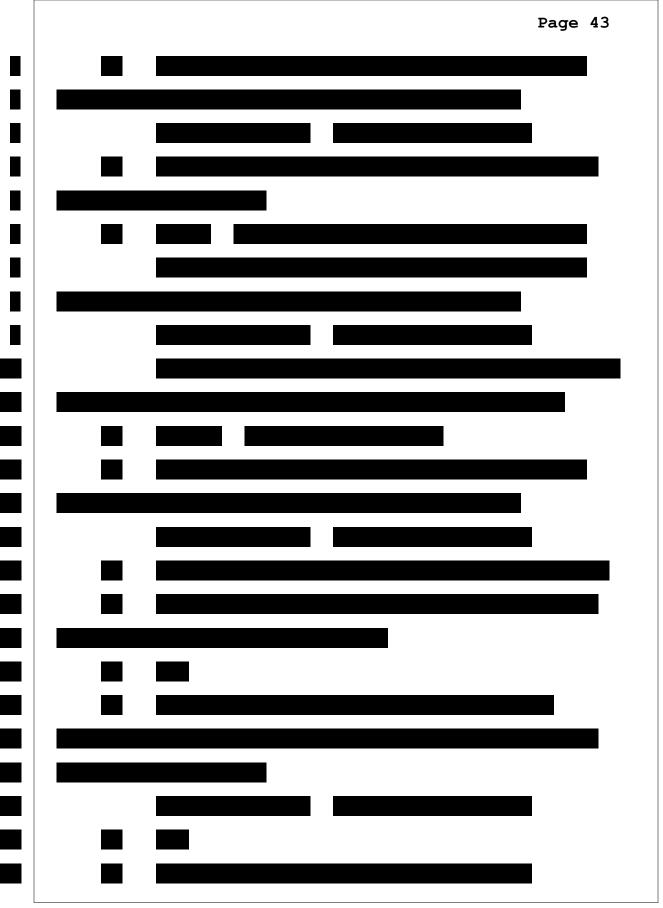
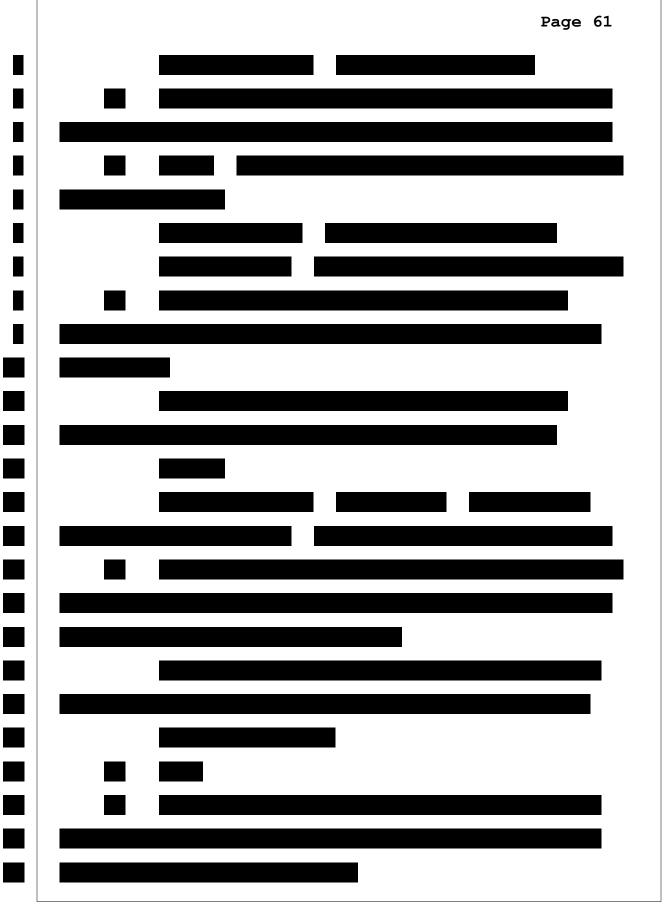
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Exhibit 9

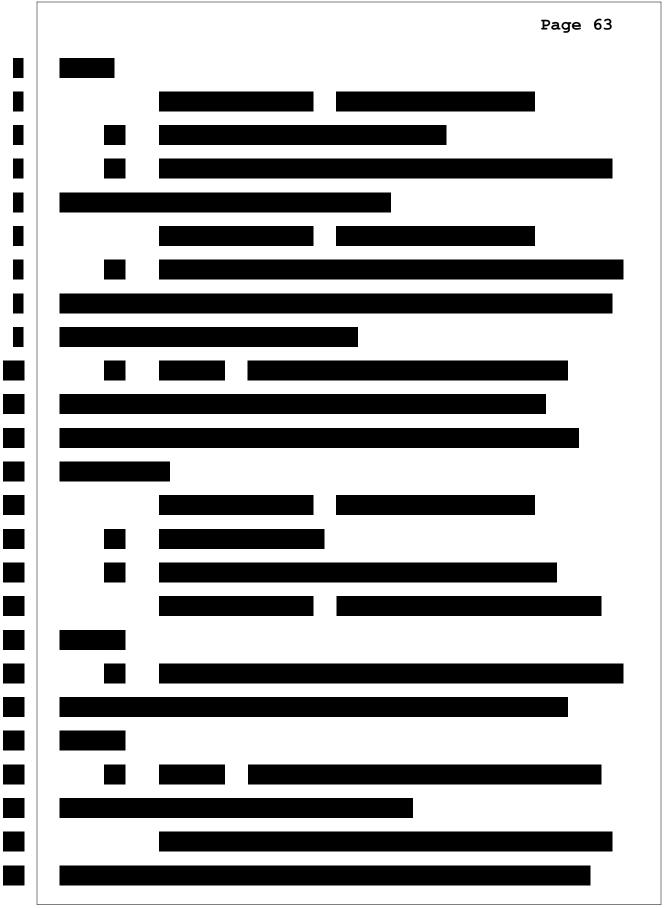
	Page 1
1	UNITED STATES DISTRICT COURT
2	FOR THE NORTHERN DISTRICT OF CALIFORNIA
3	SAN FRANCISCO DIVISION
4	
5	IN RE: GOOGLE PLAY STORE ANTITRUST LITIGATION
	Case No. 3:21-md-02981-JD
6	
7	THIS DOCUMENT RELATES TO:
8	Epic Games Inc. v. Google LLC, et al.
	Case No. 3:20-cv-05671-JD
9	
	In Re: Google Play Consumer Antitrust Litigation
LO	Case No. 3:20-cv-05761-JD
L1	
	State of Utah, et al. v. Google LLC, et al.
L2	Case No. 3:21-cv-05227-JD
L3	
	Match Group LLC, et al., v. Google LLC, et al.
L 4	Case No. 3:22-cv-02746-JD
L5	
	** CONFIDENTIAL **
L 6	
L 7	DEPOSITION OF MARC S. RYSMAN, PhD,
L 8	called as a witness by and on behalf of Google LLC,
L 9	pursuant to the applicable provisions of the
20	Federal Rules of Civil Procedure, before P. Jodi
21	Ohnemus, RPR, RMR, CRR, CA-CSR #13192, NH-LSR #91,
22	MA-CSR #123193, and Notary Public, within and for
23	the Commonwealth of Massachusetts, at 100 Cambridge
24	Street, Boston, Massachusetts, on Friday, March 10,
25	2023, commencing at 9:07 a.m.







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1	MS. WEINSTEIN: Objection to form.
2	A. So in this paragraph I'm setting up an
3	abstract world where focal point pricing is
4	important and talking about the economics of focal
5	point pricing; and I don't mean that to be a
6	description of what actually happens in to apps
7	on the Google Play Store.
8	Q. Right. But so as a matter of economics,
9	as you're describe you let me back up.
10	In this in this paragraph you're
11	referring to economic principles; right?
12	MS. WEINSTEIN: Objection to form.
13	And you can read the full paragraph if
14	you'd like to answer the question.
15	A. Yes.
16	Q. Yes. Okay. And as a matter of economic
17	principles, then, what you're saying is that, as a
18	result of focal point pricing, some firms would not
19	change price in response to a change in the
20	commission rate?
21	MS. WEINSTEIN: Objection to form.
22	A. Yes. If focal point pricing is important,
23	I would expect that.
24	Q. Okay. Do you think that focal point
25	pricing is important in the context of Android



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use a standard logit model without testing whether the products to which the model was applied are substitutes?

MS. WEINSTEIN: Objection to form.

- A. I don't know that there needs to be a formal test, but we would read the paper -- by "we" I think of, let's say, the editorial staff -- would read the paper for whether we feel that the model was a good approximation for what was happening in the market.
- Q. And what would you want to see or test to determine whether the model was a good approximation for what was happening in the market in the case of a standard logit model?

MS. WEINSTEIN: Objection to form.

- A. I have the sense -- I have a sense from my experience as an economist of the general issues that logit model captures or doesn't capture, and I would want to think about whether the products in the market captured that -- that as well.
- Q. Would it be sufficient for you to determine that a standard logit model was appropriate that there was a negative correlation between price and demand?

MS. WEINSTEIN: Objection to form.

	Page 69
1	A. Not by itself that wouldn't tell me that
2	the logit model was appropriate.
3	Q. Have you ever seen a logit model used to
4	estimate pass through?
5	MS. WEINSTEIN: Objection to form.
6	A. Yes.
7	Q. Where?
8	A. So I'm thinking of general logit-based
9	models. So not necessarily the simple logit that
10	you started with. We just had a paper presented
11	this year by Katja Seim presenting at BU studying
12	pass through, and I edited a pass-through paper at
13	random. I'd have to think about whether they used
14	logit or not. I have to remember.
15	Q. The paper that was presented as BU, what
16	industry was that?
17	A. I just can't recall. I'm sorry.
18	Q. Okay. Are you familiar with the logit
19	model that Doctor Singer uses in this case?
20	MS. WEINSTEIN: Objection to form.
21	A. I am not.
22	Q. Okay. So you don't know anything about
23	how Doctor Singer actually calculates the
24	pass-through rate for any app?
25	MS. WEINSTEIN: Objection to form.

